AFSC 2A3X3B
F-16/F-117A AIRCRAFT MAINTENANCE SPECIALTY
CAREER FIELD EDUCATION AND TRAINING PLAN

This change is effective immediately. This change is the equivalent of publication of a new CFETP. Compliance with AFI 36-2201, para 4.11.6.1. and other training policies and documentation is required. This change is effective immediately and changes CFETP 2A3X3B, October 1998, as follows:

NOTE: Page numbers are taken from the CFETP 2A3X3B, October 1998 produced by PDO. CFETPs downloaded from internet web sites may have different page numbers due to printer formatting.

1. Write-in changes to Master Task Lists (MTL) only; there is no need to post the below changes in individual training records:

Page	Para	Column	Action
17	2.2.	Line 2	After second sentence, insert "MAJCOM Functional Managers, commanders, and supervisors may designate additional core tasks as necessary. When designated, certify these core tasks using normal core task certification procedures."
17	2.6.1.	Line 2	Change word "Management" to "Maintenance"
20	Explanations	Line "X"	Delete "X". Change line to read "/ This mark is used in course columns **along with proficiency codes** to show that training is required but not given due to limitations in resources (3c/b, 2b/b, **2b/-,** etc.). "
20	Explanations	NOTE	Delete first sentence. Insert "All task/knowledge taught in the initial skills courses will be taught in the wartime initial skills courses."
21	NOTE 2	Line 1	Delete first sentence and add "All task/knowledge taught in the initial skills courses will be taught in the wartime initial skills courses."
35	A2.20.19.	Line Item	Delete highlighted area "Crash recovery equipment (cont)"
37	NOTE 2	Line 1	Delete first sentence and add "All task/knowledge taught in the initial skills courses will be taught in the wartime initial skills courses."

<u>Page</u>	<u>Para</u>	<u>Column</u>	<u>Action</u>
37	NOTE 5	1	Add "F-16 training at Sheppard for 3-levels is accomplished and certified on F-16A/B model aircraft, block 15 or lower, with F100-PW-200 engines and 1 prototype F110-GE-100 engine."
37	NOTE 6	1	Add "F-16 training at Luke for 3-levels is accomplished and certified on F-16C/D, block 25, or F-16CG/DG, block 42, with F100-PW-220 engines."
47	A3.11.7.1.1.	1	Change "A3.11.7.1.1." to "A3.11.6.1.1."
47	A3.11.7.1.2.	1	Change "A3.11.7.1.2." to "A3.11.6.1.2."
47	A3.11.7.2.	1	Change "A3.11.7.2." to "A3.11.6.2."
47	A3.11.7.2.1.	1	Change "A3.11.7.2.1." to "A3.11.6.2.1."
47	A3.11.7.2.2.	1	Change "A3.11.7.2.2." to "A3.11.6.2.2."
47	A3.11.7.2.3.	1	Change "A3.11.7.2.3." to "A3.11.6.2.3."
47	A3.11.7.3.	1	Change "A3.11.7.3." to "A3.11.6.3."
47	A3.11.7.3.1.	1	Change "A3.11.7.3.1." to "A3.11.6.3.1."
47	A3.11.7.3.2.	1	Change "A3.11.7.3.2." to "A3.11.6.3.2."
47	A3.11.7.4.	1	Change "A3.11.7.4." to "A3.11.6.4."
47	A3.11.7.4.1.	1	Change "A3.11.7.4.1." to "A3.11.6.4.1."
47	A3.11.7.4.2.	1	Change "A3.11.7.4.2." to "A3.11.6.4.2."
47	A3.11.7.5.	1	Change "A3.11.7.5." to "A3.11.6.5."
47	A3.11.7.5.1.	1	Change "A3.11.7.5.1." to "A3.11.6.5.1."
47	A3.11.7.5.2.	1	Change "A3.11.7.5.2." to "A3.11.6.5.2."
47	A3.11.8.	1	Change "A3.11.8." to "A3.11.7."
47	A3.11.8.1.	1	Change "A3.11.8.1." to "A3.11.7.1."
47	A3.11.8.2.	1	Change "A3.11.8.2." to "A3.11.7.2."
47	A3.11.8.3.	1	Change "A3.11.8.3." to "A3.11.7.3."
47	A3.11.9.	1	Change "A3.11.9." to "A3.11.8."
47	A3.11.10.	1	Change "A3.11.10." to "A3.11.9."
55	A3.13.19.	1	Insert "See page 58 for new line items A3.13.19."
58	A3.15.13.2.	Line Item	Insert new line item following A3.15.13.2. Add "A3.13.19. Engine Run" as highlighted header.

<u>Page</u>	<u>Para</u>	<u>Column</u>	<u>Action</u>
58	A3.13.19.1.	Line Item	Add task item "A3.13.19.1. Perform engine intake and exhaust inspection TR: 1F-16C-6WC-1-11" Columns 4A(1), 4B(1), 4C(1) and 4C(2) are dashed.
58	A3.13.19.2.	Line Item	Add task item "A3.13.19.2. Perform engine run operations (Low power) TR: 1F-16C-2-70JG-00-11." Columns 4A(1), 4B(1), 4C(1) and 4C(2) are dashed.
58	A3.13.19.3.	Line Item	Add task item "A3.13.19.3. Perform engine run operations (High power/restrained)" TR: 1F-16C-2-70JG-00-12". Columns 4A(1), 4B(1), 4C(1) and 4C(2) are dashed.
59	NOTE 3	Line 1	Delete sentence and add "All task/knowledge taught in the initial skills courses will be taught in the wartime initial skills courses."
59	A4.1.6.5.1.	1	Change "A4.1.6.5.1." to "A4.1.6.6."
60	A4.1.6.6.	1	Change "A4.1.6.6." to "A4.1.6.7."
60	A4.1.6.6.1.	1	Change "A4.1.6.6.1." to "A4.1.6.7.1."
60	A4.1.6.6.2.	1	Change "A4.1.6.6.2." to "A4.1.6.7.2."
60	A4.1.6.6.3.	1	Change "A4.1.6.6.3." to "A4.1.6.7.3."
60	A4.1.6.6.4.	1	Change "A4.1.6.6.4." to "A4.1.6.7.4."
60	A4.1.6.6.5.	1	Change "A4.1.6.6.5." to "A4.1.6.7.5."
67	A4.7.8.4.	1	Delete word "struts" add word "components"
67	A4.7.8.4.1.	1	Add "strut" after "Nose"
67	A4.7.8.4.2.	1	Add "strut" after "Main"
67	A4.7.8.5.	1	Change "A4.7.8.5." to "A4.7.8.4.3."
67	A4.7.8.6.	1	Change "A4.7.8.6." to "A4.7.8.4.4."
67	A4.7.8.7.	1	Change "A4.7.8.7." to "A4.7.8.4.5."
67	A4.7.8.8.	1	Change "A4.7.8.8." to "A4.7.8.4.6."
67	A4.7.8.9.	1	Change "A4.7.8.9." to "A4.7.8.4.7."
68	A4.7.8.10.	1	Change "A4.7.8.10." to "A4.7.8.4.8."
68	A4.7.8.11.	1	Change "A4.7.8.11." to "A4.7.8.5." and change header to read "Remove and install wheel and tire, and brake assembly components"
68	A4.7.8.11.1.	1	Change "A4.7.8.11.1." to "A4.7.8.5.1." and add "wheel and tire" after word Main

Page	Para	Column	Action
68	A4.7.8.11.2.	1	Change "A4.7.8.11.2." to "A4.7.8.5.2." ." and add "wheel and tire" after word Nose
68	A4.7.8.12.	1	Change "A4.7.8.12." to "A4.7.8.5.3."
68	A4.7.8.13.	1	Change "A4.7.8.13." to "A4.7.8.5.4."
68	A4.7.8.14.	1	Change "A4.7.8.14." to "A4.7.8.5.5."
68	A4.7.8.15.	1	Change "A4.7.8.15." to "A4.7.8.5.6."
68	A4.7.8.16.	1	Change "A4.7.8.16." to "A4.7.8.5.7."
68	A4.7.8.17.	1	Change "A4.7.8.17." to "A4.7.8.5.8."
68	A4.7.8.18.	1	Change "A4.7.8.18." to "A4.7.8.5.9."
68	A4.7.8.19.	1	Change "A4.7.8.19." to "A4.7.8.5.10."
68	A4.7.8.20.	1	Change "A4.7.8.20." to "A4.7.8.5.11."
68	New Entry	1	Add "A4.7.8.6. Remove and install drag chute components" as new header after A4.7.8.5.11.
68	A4.7.8.21.	1	Change "A4.7.8.21." to "A4.7.8.6.1."
68	A4.7.8.22.	1	Change "A4.7.8.22." to "A4.7.8.6.2."
68	A4.7.8.23.	1	Change "A4.7.8.23." to "A4.7.8.6.3."
68	A4.7.8.24.	1	Change "A4.7.8.24." to "A4.7.8.6.4."
68	New Entry	1	Add "A4.7.8.7. Remove and install tail hook components" as new header after A4.7.8.6.4..
68	A4.7.8.25.	1	Change "A4.7.8.25." to "CF4.7.8.7.1."
68	A4.7.8.26.	1	Change "A4.7.8.26." to "A4.7.8.7.2."
68	A4.7.8.27.	1	Change "A4.7.8.27." to "A4.7.8.7.3."
70	A4.9.2.	1	Add word "converter" after "LOX"
70	A4.9.2.	4A	Change "-" to "3c"
72	A4.13.4.	1	Change "operational" to "functional"
74	A4.15.2.4.2.1.	1	Change "surged damped" to "surge damper"
74	A4.15.2.4.2.4.	1	Change "surged damped" to "surge damper"
75	A4.15.2.11.	1	Change "A4.15.2.11." to "A4.15.2.10.3."
75	A4.15.2.12.	1	Change "A4.15.2.12." to "A4.15.2.10.4."
75	A4.15.2.13.	1	Change "A4.15.2.13." to "A4.15.2.10.5."
75	A4.15.2.14.	1	Change "A4.15.2.14." to "A4.15.2.10.6."

Page	Para	Column	Action
75	A4.15.2.15.	1	Change "A4.15.2.15." to "A4.15.2.10.7."
75	A4.15.2.16.	1	Change "A4.15.2.16." to "A4.15.2.10.8."
83	A4.21.7.	1	Add "(4100)" after word "trailer" in header
83	A4.21.8.	1	Add "(3010)" after word "trailer" in header
86-89	Atch. 5	4	In last column, change "3A" to "3B'
87-90	Atch. 5	Footer	Add "(Attachment 5)" and "2A333B MATRIX"
88	A3.11.7.1.1.	1	Change "A3.11.7.1.1." to "A3.11.6.1.1."
88	A3.11.7.1.2.	1	Change "A3.11.7.1.2." to "A3.11.6.1.2."
88	A3.11.7.3.1.	1	Change "A3.11.7.3.1." to "A3.11.6.3.1."
88	A3.11.7.4.1.	1	Change "A3.11.7.4.1." to "A3.11.6.4.1."
88	A3.11.7.5.1.	1	Change "A3.11.7.5.1." to "A3.11.6.5.1."
88	A3.11.8.1.	1	Change "A3.11.8.1." to "A3.11.7.1."
88	A3.11.8.3.	1	Change "A3.11.8.3." to "A3.11.7.3."

2. Write in changes. Post these changes to individual records and MTL:

Page	Para	Column	Action
64	A4.2.8.1.1.	1	Change "Open" to "Lower"
64	A4.2.8.1.2.	1	Change "Close" to "Raise"
69	A4.7.14.3.	1-4	Delete entire line item
69	A4.7.14.4.	1-4	Delete entire line item
70	A4.8.4.3.	2B	Delete core task
75	A4.15.2.10.	1	Delete word "indicator" add word "components"
75	A4.15.2.10.1.	1	Add word "indicator" after "Quantity"
75	A4.15.2.10.2.	1	Add word "indicator" after "Temperature"
79	A4.17.6.1.11.	1	Delete word "probe" add word "line"

3. Master Task Lists (MTL) only; there is no need to post the below changes in individual training records:

3.1. Delete pages 15 and 16. Insert new page 15 and 16.

3.2. After page 58 in attachment 3, insert page 58.1.

3.3. Delete page 89 and 90. Insert new page 89 and 90.

4. After necessary action, file this change in the back of the CFETP.

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL   JOHN W. HANDY, Lieutenant General, USAF
                                        DCS/Installations and Logistics

Sheppard AFB Texas. Completion of AF core tasks, 7-level CDCs, and 12 months OJT as a SSgt (6 months for retrainee) will be completed before attending the resident course.

10.4. **Superintendent Level Training:**

10.4.1 **Specialty Qualification.**

10.4.1.1. **Knowledge.** Knowledge is mandatory of: electrical and mechanical principles applying to aircraft and SE; concepts and application of maintenance directives; maintenance data reporting; interpreting and use of maintenance data reports and technical orders; Air Force supply and deficiency reporting procedures; resource management; and proper handling, use, and disposal of hazardous waste and materials.

10.4.1.2. **Education.** There are no additional education requirements beyond those defined for the apprentice level. However, completion of a CCAF degree is desirable.

10.4.1.3. **Training.** For award of AFSC 2A390, completion of Senior NCO Academy in residence, and unit OJT is mandatory.

10.4.1.4. **Experience.** For award of AFSC 2A390, qualification in and possession of AFSC 2A371, 2A372, or 2A373X is mandatory. Also, experience is mandatory managing or directing functions such as inspecting or maintaining aircraft and SE.

10.4.1.5. **Other.** Not used.

10.4.2. **Training Sources/Resources.** Instruction received at the Senior NCO Academy and duty position qualification represent the required resources for upgrade to the 9-skill level.

10.4.3. **Implementation.** The 9-level will be awarded after completing MAJCOM requirements, unit OJT, and promotion to SMSgt. Individuals will attend the Senior NCO Academy after they are selected for promotion to SMSgt.

Section D - Resource Constraints

11. Purpose. This section identifies known resource constraints which preclude optimal/desired training from being developed or conducted, including information such as cost and manpower. Narrative explanations of each resource constraint and an impact statement describing what effect each constraint has on training are included. Also included in this section are actions required, office of primary responsibility, and target completion dates. Resource constraints will be, as a minimum, reviewed and updated annually.

12. Apprentice Level Training:

12.1. Constraints. Computers, software, and support equipment are required for Integrated Maintenance Data System (IMDS).

12.2. Impact. IMDS training can not be accomplished to the prescribed levels in apprentice training. This will cause training to be delayed and field units will bear the burden of this training when IMDS is fielded. This deficiency could cause a decrease in production effectiveness and significant mission impact.

12.3. Resources Required. Nineteen classrooms are available for training. Each classroom will require 1 instructor workstation, 8 student workstations, 1 Portable Maintenance Aid (PMA) per student, a specialized training server, and other classroom equipment such as white boards, projection devices, etc.

12.4. Action Required. Obtain needed computer and support equipment. (OPR: 362 TRS/TRR; OCR: HQ AETC/DOOI).

13. Five Level Training:

13.1. Constraints. There is no formal information (AFRs, AFMANs, AFIs, TOs) developed for writing CDCs on IMDS."

13.2. Impact. CDCs for IMDS can not be developed for 5-level upgrade training.

13.3. Resources required. Technical and official information approved by HQ USAF.

13.4. Action required. Technical and official information on IMDS must be developed from contractor information. (OPR: HQ USAF/ILMM)."

14. Seven-Level Training:

14.1. Constraints. There is no formal information (AFRs, AFMANs, AFIs, TOs) developed for writing CDCs on IMDS.

14.2. Impact. CDCs for IMDS can not be developed for 7-level upgrade training.

14.3. Resources required. Technical and official information approved by HQ USAF.

14.4. Action required. Technical and official information on IMDS must be developed from contractor information. (OPR: HQ USAF/ILMM)"

Section E. - Transitional Training Guide. There are no transition training requirements. This area is reserved.

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
			A	B	C	D	E	A 3-Skill Level	B CDC	C 7-Skill Level	
	5	7	Tng Start	Tng Comp	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) 5	(1) 7	(2) Crse
A3.16. INTEGRATED MAINTENANCE DATA SYSTEM (IMDS) TR: AFI 21-101											
A3.16.1. IMDS training subsystem											
A3.16.1.1. Purpose of the IMDS training subsystem								A/-	B/-	B/-	**-**
A3.16.1.2 Document Master Task List (MTL)								-	-	B/-	-
A3.16.1.3. Perform Ad Hoc inquiry								**-**	**-**	B/-	**-**
A3.16.1.4. Identify duty position requirements								-	-	B/-	-
A3.16.1.5 Document task certification								a/-	B/-	B/-	**-**
A3.16.2. IMDS Maintenance Data Collection (MDC)											
A3.16.2.1. Purpose of MDC process								A/-	B/-	-	-
A3.16.2.2. Use IMDS to:											
A3.16.2.2.1. Create jobs	*							3c/-	-	-	-
A3.16.2.2.2. Transfer jobs	*							2b/-	-	-	-
A3.16.2.2.3. Clear jobs	*							3c/-	-	-	-
A3.16.2.2.4. Document component maintenance actions	*							3c/-	-	-	-
A3.16.2.2.5. Document Cannibalization	*							3c/-	-	-	-
A3.16.2.2.6. Use Portable Maintenance Aid (PMA)	*							3c/-	-	-	-
A3.16.2.2.7. Order Parts	*							2b/-	-	-	-
A3.16.2.2.8. Review Maintenance Status	*							3c/-	-	-	-
A3.16.2.2.9. Review Equipment Status	*							3c/-	-	-	-

58.1

F-16 MATRIX

STS ELEMENT	TASK	PHASE 3A	PHASE 3B
A3.13.8.26.2.	Remove and install ADG power take-off shaft	2b	-
A3.13.8.26.3.	Remove and install ADG oil filters	2b	-
A3.13.10.	Perform 10 hour throttle inspection	3c	-
A3.13.11.	Inspect and clean flame sensor/light off detector	3c	-
A3.13.13.1.	Use engine start system tester (ESS)	a	-
A3.13.16.1.	Service engine oil	2b	3c
A3.13.16.2.	Service JFS accumulators	3c	-
A3.13.16.3.	Service ADG oil	3c	-
A3.14.1.	Electrical components and system operation	B	-
A3.14.2.	Connect/apply external power	3c	-
A3.14.3.	Disconnect external power	3c	-
A3.14.4.1.	Remove and install batteries	3c	-
A3.14.4.2.	Remove and install light lenses	3c	-
A3.14.4.3.	Remove and install light lamps	3c	-
A3.14.5.1.	Operate interior lighting	3c	-
A3.14.5.2.	Operate exterior lighting	3c	-
A3.14.6.	Service constant speed drive	2b	3c
A3.15.1.1.	Perform pre-use inspection of tow vehicle	2b	-
A3.15.1.2.	Use tow vehicle	b	-
A3.15.2.1.	Perform pre-use inspection of nitrogen servicing cart	3c	-
A3.15.2.2.	Use nitrogen servicing cart	3c	-
A3.15.3.1.	Perform pre-use inspection of oil servicing cart	3c	-
A3.15.3.2.	Use oil servicing cart	3c	-
A3.15.4.1.	Perform pre-use inspection of hydraulic servicing cart	3c	-
A3.15.4.2.	Use hydraulic servicing cart	3c	-
A3.15.6.1.	Perform pre-use inspection of hydraulic test stand	3c	-
A3.15.6.2.	Use hydraulic test stand	3c	-
A3.15.9.1.	Perform pre-use inspection of engine R&I trailer	a	-
A3.15.9.2.	Use engine R&I trailer	a	-
A3.15.10.1.	Perform pre-use inspection of engine transfer trailer	a	-
A3.15.10.2.	Use engine transfer trailer	a	-
A3.15.11.1.	Perform pre-use inspection of tow bar	3c	-
A3.15.11.2.	Use tow bar	3c	-
A3.15.12.1.	Perform pre-use inspection of air conditioning unit	3c	-
A3.15.12.2.	Use air conditioning unit	3c	-
A3.15.13.1.	Perform pre-use inspection of LOX servicing equipment	2b	3c
A3.15.13.2.	Use LOX servicing equipment	2b	3c
A3.16.1.1.	Purpose of the IMDS training subsystem	A/-	-
A3.16.1.5.	Document task certification	a/-	-
A3.16.2.1.	Purpose of MDC process	A/-	-
A3.16.2.2.1.	Use IMDS to: Create jobs	3c/-	-
A3.16.2.2.2.	Use IMDS to: Transfer jobs	2b/-	-

F-16 MATRIX

STS ELEMENT	TASK	PHASE 3A	PHASE 3B
A3.16.2.2.3.	Use IMDS to: Clear jobs	3c/-	-
A3.16.2.2.4.	Use IMDS to: Document component maintenance action	3c/-	-
A3.16.2.2.5.	Use IMDS to: Document Cannibalization	3c/-	-
A3.16.2.2.6.	Use Portable Maintenance Aid (PMA)	3c/-	-
A3.16.2.2.7.	Order Parts	2b/-	-
A3.16.2.2.8.	Review Maintenance Status	3c/-	-
A3.16.2.2.9.	Review Equipment Status	3c/-	-